



HILDEBRANDO LEAL MEJÍA

Address: C/Marti i Franques, S/N, Cristallography, Mineralogy and Mineral Deposits Department, Of. 134A – Faculty of Geology – University of Barcelona, Barcelona (Spain)

Phone: (+34) 934021344 • Fax: (+34) 934021340

E-mail: hildebrandolealm@ub.edu, hildebrandolealm@yahoo.co.uk

GEOLOGIST, MSc, PHD CANDIATE

ECONOMIC GEOLOGY / APPLIED ORE PETROGRAPHY / METALLOGENY

Offer a practical application of geology in solving problems of prospecting, exploration, exploitation and extraction of Mineral Deposits (Industrial minerals, Ore deposits, gems, etc.), by the integration of fieldwork and laboratory techniques allowing to define genetic processes.

Areas of expertise:

- Economic Geology
- Applied Ore Petrography
- Ore Deposits Genesis
- Geochemical Exploration
- Isotopic Geochemistry
- Mineral Exploration

Ability to transmit knowledge and implement methodologies in the field and in the laboratory. Experience in application of main techniques for preparation of thin, polished and thin-polished sections for petrography and ore petrography studies. Command of laboratory techniques such as Petrography, Ore Petrography, Isotopy and Geochronology by mass spectrometry, X-ray Diffraction and Electronic Microscopy, and the application of them. Application of geophysical techniques in exploration of Ore Deposits and environmental geology. Fluency in English (Speaking, Writing and text comprehension). Basic knowledge in French, Portuguese and Catalan. Available to relocate internationally for challenging opportunity.

EXPERIENCE

CPGeo - University of Sao Paulo – Sao Paulo/SP, Brazil

2006 – 2007

PhD Student/Researcher (June to August 2006/March to May 2007)

As a PhD student of the Geological Processes Modelling Program at the University of Barcelona, made a part time graduate research at the Geochronological Research Center (CPGeo) of the University of Sao Paulo, in order to learn, and get involved with isotopic geochemistry and geochronological methodologies (K-Ar, Sm-Nd (Nd-Nd), Rb-Sr (Sr-Sr), U-Pb, Pb-Pb).

SOCIEDAD KEDAHDA S.A. (AngloGold Ashanti Ltd.) – Bogotá, D.C., Colombia 2005 - present

PhD Student/Researcher (Junio 2005 – present)

As a PhD student of the Geological Processes Modelling Program at the University of Barcelona, develops research in Gold metallogenesis in Colombia, sponsored by Sociedad Kedahda S.A. (AngloGold Ashanti Ltd.).

Geologist JOSÉ RAMÓN GUERRERO – Bogotá, D.C., Colombia 2004

Contractor Geologist (May - September 2004)

As a contractor, works in sampling, selection, preparation and analysis of 40 polished sections from Yacopí, Muzo and Ubalá emerald deposits, in order to study metallic minerals (Sulphurs) associated to emerald mineralization and their implication in ore genesis.

FEDERAL UNIVERSITY OF RIO GRANDE DO SUL – (Porto Alegre/RS, Brazil) 2002

Assistant researcher (June – September 2002)

As a complement in development of his Magister of Science thesis, he made a course during 3 months, where he learned and applied techniques of X-ray diffraction and isotopic data and geochronology with mass spectrometer.

NATIONAL UNIVERSITY OF COLOMBIA – Bogotá, D.C., Colombia 1998 – 2002

Teacher (August 2001 – June 2002)

Taught during 2 semesters theoretical-practical subjects such as: Ore Deposits Forming Environments, Mineral Deposits of Colombia, and Basic Metallography, in the Department of Geosciences.

Researcher Student (February 1999 – May 2000)

Joint as a researcher student in the "Project of exploration of potential emerald areas in the Paez-Campohermoso-Macanal sector, Department of Boyacá" developed in association by the National University of Colombia and the National Mining Company (MINERCOL LTDA.)

Assistantship in the Metallogeny and Gemmology Laboratory (August 1998 – June 2000)

Helped in the implementation and operation of the Metallogenesis and Gemmology Laboratory of the Department of Geosciences of the National University of Colombia. Made the inventory and was in charge of care and maintenance of metallographic microscopes. Prepared thin, polished and thin-polished sections. Took part actively in the development of many research projects directed by Professor Analia del Valle Pantorrilla, PhD.

GEOLOGIST CARLOS HUMBERTO VARGAS RUBIO – Bogotá, D.C., Colombia 2002

Consultant (January - April 2002)

Prepared the geological component of the "Study for ordering the existing grounds in the garbage dump of Doña Juana" and the "Study for declaration of a protected forest reservation zone in the influential area of the Altamira-Florencia road, Municipality of Florencia sector.

ARQUITECTS YOLANDA SARMIENTO Y MITCHELL EWERT – Bogotá, D.C., Colombia 2000

Consultant (January – March 2000)

Prepared the geological component of the Environmental Impact Study of the project "Arborizadora Alta Metropolitan Park", District Institute for Sport and Recreation (IDRD).

EDUCATION

UNIVERSITY OF BARCELONA – Barcelona, Spain

PhD. Student in the Geological Processes Modelling PhD Program (2004 - present)

PhD Thesis: "Regional metallogenic study applied to exploration of gold mineralizations in the San Lucas, Antioquia and Cauca Canyon regions of Colombia, South America"

PhD Advisors: Dr. Joan Carles Melgarejo i Draper (UB) and Dr. Umberto Cordani (USP)

Diploma de Estudios Avanzados (DEA) (Suficiencia Investigadora) (2006)

Research Project: "Mineralogy of "Independencia" gold deposit, Titiribi, Colombia"

Advisor: Dr. Joan Carles Melgarejo i Draper

NATIONAL UNIVERSITY OF COLOMBIA – Bogotá, D.C., Colombia

Magister of Science – Geology, 2004

MSc Thesis: "Metallogenic study of gold mineralization in Cerro Rojo, Taraira Mining District, Vaupés Department, Colombia."

NATIONAL UNIVERSITY OF COLOMBIA – Bogotá, D.C., Colombia

Geologist, 2000

Graduate Thesis: "Geological and geochemical study of a potential emerald producer area to the NE of Macanal, (Boyacá), Colombian Eastern Emerald Belt."

PUBLICATIONS

XI COLOMBIAN GEOLOGICAL CONGRESS – August 2007

Textural relationships and paragenesis of gold ores associated to meta-sedimentary rocks of Pedrera Formation, Taraira Mining District, Vaupés Department, Colombia

Leal-Mejía, H. and Pantorrilla, A. del V.

XXVI SPANISH SOCIETY OF MINERALOGY (SEM) MEETING – September 2006

"Mineralogy of "Independencia" gold deposit, Titiribi Mining District, Colombia"

Leal-Mejía, H., Castañeda, M., Shaw, R. P., Melgarejo, J. C. and Sepulveda, O. I.

LANGUAGES

CULTURE INSTITUTE OF BRASIL-COLOMBIA – Bogotá, D.C., Colombia
Portuguese – 3 levels (2002)

NATIONAL UNIVERSITY OF COLOMBIA – Bogotá, D.C., Colombia
French – 2 levels (2001)

NATIONAL UNIVERSITY OF COLOMBIA – Bogotá, D.C., Colombia
English for Professionals – 12 basic levels and 2 conversation levels (1996 – 1998)
TOEFL Score: 247 points (November 2000)
IELTS Score: 7.0 points (April 2004)

SYSTEM AND SOFTWARE BACKGROUND

Operating Systems & Languages Windows, Macintosh OS/OS X.

Application Software Microsoft Office, Internet Explorer, AutoCAD, Corel Draw, Canvas, Geosoft, Ilwis (SIG), Lisa (SIG), ArcView (SIG), MapInfo, MinPet.
